

# System and Method For Automatically Configuring a Protocol Line Trace Filter

## Abstract of the Disclosure

A system and method is provided for reliably filtering out data frames from a line trace, wherein the frames include variable, vendor specific idle pattern bytes. Initially, a idle pattern buffer is filled with the default idle pattern. When the protocol identifies an actual received idle pattern, the content of the idle pattern buffer is replaced with the identified idle pattern. Subsequent receive buffers are compared to the idle pattern buffer, and only those received buffers that do not match (i.e. contain at least one bit different from the idle pattern buffer) are included within the line trace.

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